

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.

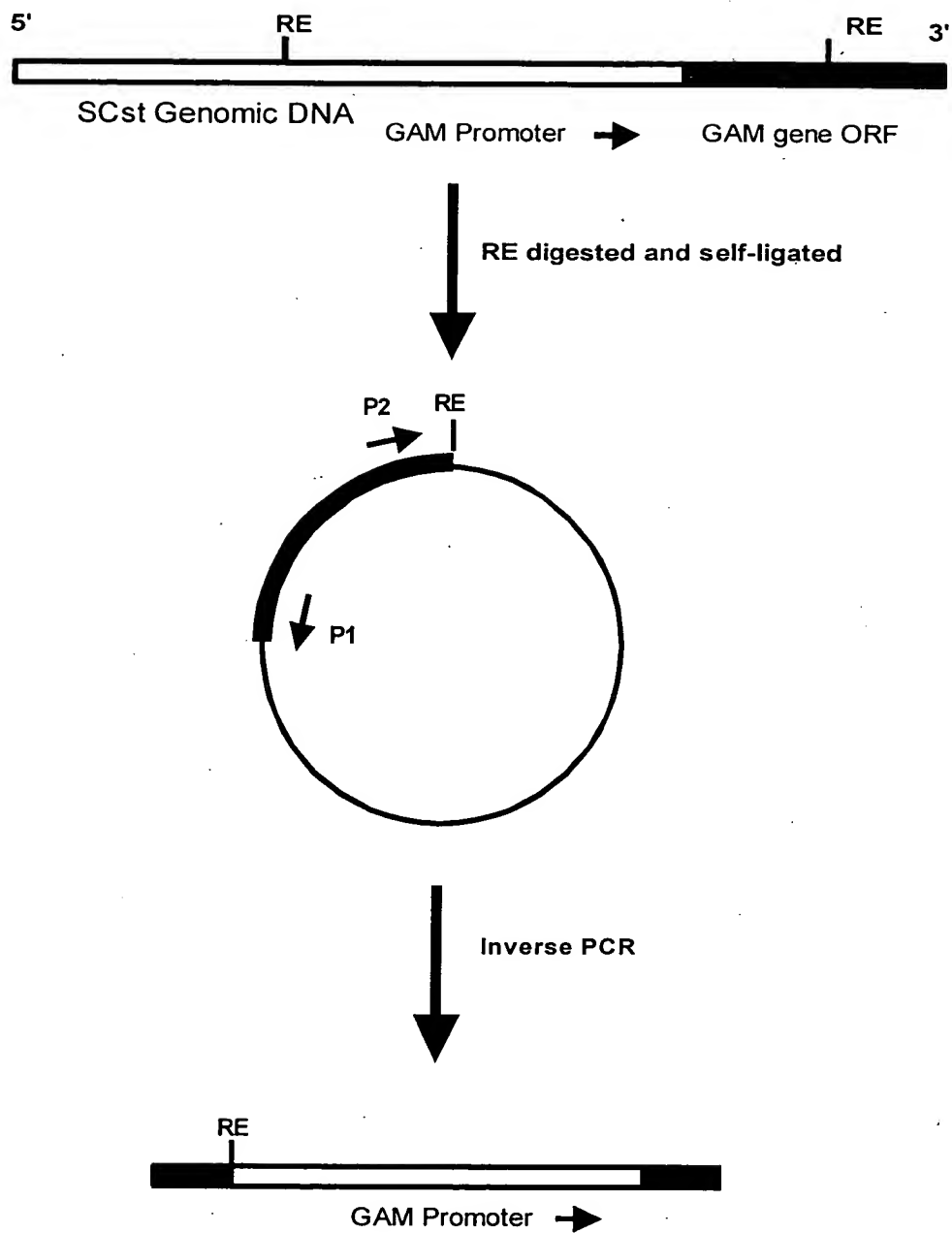


FIG. 1

FO2020-446T2660

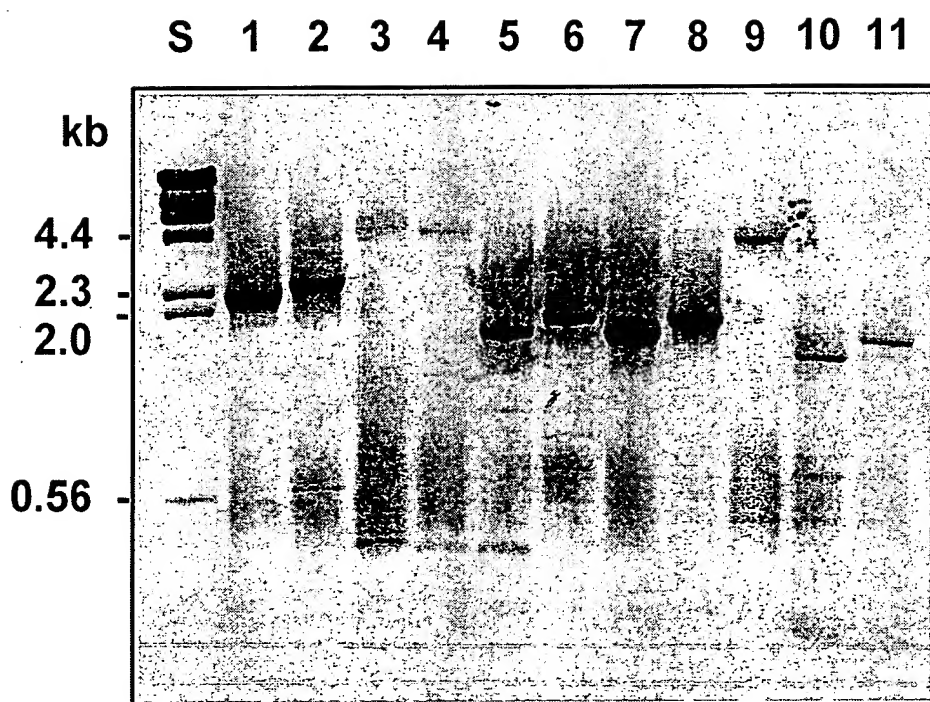


FIG. 2

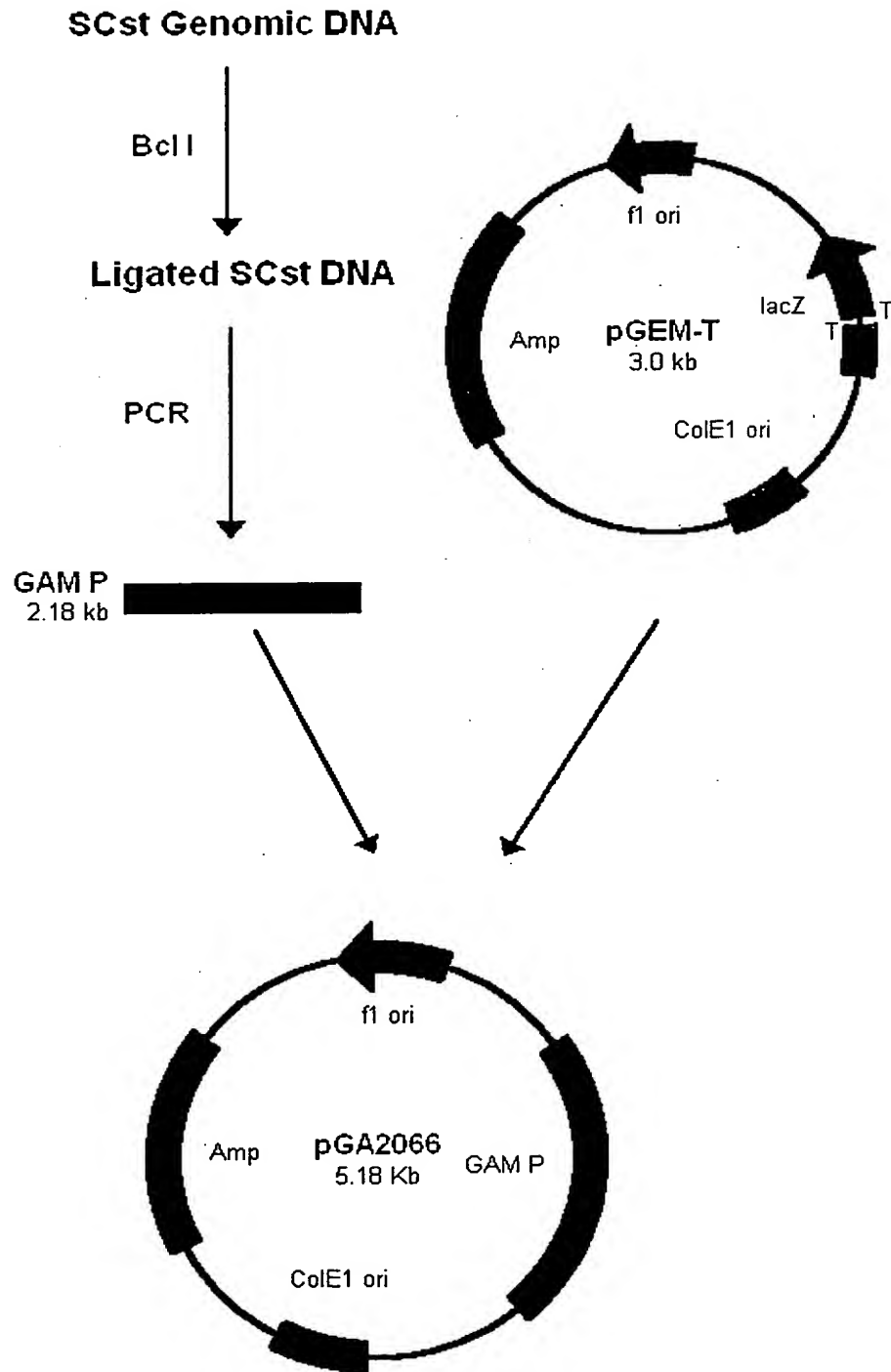


FIG. 3

1 tgatcatcttgaagttaaataccaagttattcaagtaatttaaagttgaataatgtagtta 60
 61 tttcagtggccttaaaccagtcctcgagacgacttcagcctcttcgagaccacaaggtt 120
 5 121 cgtttaataaggaaatgaatagaatcacctggagatattcgagccattaatactatcaa 180
 181 gtgaaaatcctgaagaaaaattaattgcaagatTTTTgactaatagtaaaggtagtgaac 240
 241 atgaaagtggatttcaagttaaatTTTTgattaatgatcctccactgaaatTTTctaagg 300
 10 301 ctttatatTTTtgatgatgaatcaacagaggttccttgtgtaaggaaatcttattagtggaa 360
 361 gctacagcagtcattcttaaacaatgattaatgtctagatttattggttatttaggcattc 420
 15 421 TTTTTTTTaaaatTTTTTTgttaatatctttgagtttatgtTTTTgttcgTTTTatct 480
 481 tttaaagtagtgtttatagtttttagtattgttaacctTTTTTcctaaatgttagtatgc 540
 541 atgcttaaaatgatgtcagaggtagagtatgaattaattcctTTTataaatgctgttttg 600
 20 601 tgagatctTTTaaaattatctatctttctctTTTaaaggatatgttttgatttctgattga 660
 661 tttgagttccaacgacaatcgaatgtattcatatagtagttactaccttaaacacaatcc 720
 25 721 agatggTTTaaaccaactgatgcctaagtttcatgtggtgctctTTTaaacatcctTTTgtc 780
 781 ttcaaatttcaatgccattagttcacatgtatatacgccaagagagttttgtgaccaact 840
 841 tacatttactagcaagtattatctacaaagcaaaaattacgacatatTTTgtgttgatcc 900
 30 901 atcaactgtggacacgaataacaagttcccaggattcctaattattcaactgccagataa 960
 961 ataacatatatccaaaggttcaacattatttaccaaattcaaagttggattttgttaaata 1020
 35 1021 ggaatgacaatagaaattgggtgggtttatgtgcaaaagaatctaattttgcatatattt 1080
 1081 tcgtaaacttcaattcctaaaatcttgcgaaacttctcttttagaggaaattgggtccatt 1140
 1141 ctaccttctatcaaactactccaaatacaagcggcttaaaatctacatgtaaatacctta 1200
 40 1201 ctgttacaattattctcccttgaattgaccaacctgaccatgaaacctTTTtggaatcag 1260
 1261 cctattttacactaataatTTTTatcctaagtgccatggaagctattatataagttttacc 1320
 45 1321 agtgagagaggatcttgacttgacgaacaacatttcaactagaatgctctatatcttct 1380
 1381 ccgggaaaagcggcgctaccatttgttttacactctcaccatcacaaaagtgccattca 1440
 1441 acggatttttgtccgcatctctcggtaaaatgtgttctcgaaatgtgccttattgccaa 1500
 50 1501 aaaataaaaaataaaaaataatgtgggggtggcatccttcaactgtcggatttattgcg 1560
 1561 taatagatttcaatcaacatgatcttaatccatactggcttatgtctcttagaggctta 1620
 55 1621 tctcttaataattttattatataatctattctaactattgaaaaactattgaatatgcttt 1680

FIG. 4

09021944-080201

1681 aaaactggctatgctgtatttgacttctcaatgcaaaattcaacacttctataatgtaac 1740
1741 aactataaaatttttcagaatcggaatagtcgagacaattgattttccgaactattgcga 1800
5 1801 aatccaatggagcaacaatgagagatctacattttaaaccccagtctactccagatattg 1860
1861 gagtataaccccattcttaccgttatatccatgacccgcacgaaattttcaaaggattt 1920
10 1921 cgaggaaattctttcctaaaaatacgaagtgttattggtgattcaattactacggaaacta 1980
1981 ctccattatggatgtagagttggtgaatgtagcgcaattgtaatttgcaagttatagta 2040
2041 atagtttggcaaaactggagaatttttcattattgggaaaaatataaataaaggcaagtatc 2100
15 2101 cattgaaattttaaaaatgaactcatgactgtattataacaagcaagATGatttttctga 2160
2160 agctgattaaaagtatagtaat 2182

FIG. 4 (Continued)

20
GAM77: 1823 agatctacattttaaaccccagtctactccagatattggagtataaccccattcttaccg 1882
|||||
GAM76: 1 agatctacattttaaaccccagtctactccagatattggagtataaccccattcttaccg 60
25
GAM77: 1883 ttatatccatgacccgcacgaaattttcaaaggatttcgaggaaattctttcctaaaaat 1942
|||||
GAM76: 61 ttatatccatgacccgcacgaaattttcaaaggatttcgaggaaattctttcctaaaaat 120
30
GAM77: 1943 acgaagtgttattggtgattcaattactacggaaactactccattatggatgtagagttg 2002
|||||
GAM76: 121 acgaagtgttattggtgattcaattactacggaaactactc--ataggttagtagagttg 178
35
GAM77: 2003 gtgaatgtagcgcaattgtaatttgcaagttatagtaatagtttggcaaaactggagaat 2062
|||||
GAM76: 179 gtgaatgtagcgcaattgtaatttgcaagttatagtaatagtttggcaaaactggagaat 238
GAM77: 2063 ttttcattattgggaaaaatataaataaaggcaagtatccattgaaattttaaaaatgaac 2122
|||||
40 GAM76: 239 ttttcattattgggaaaaatataaataaaggcaagtatccattgaaatttt-aaaatgaac 297
GAM77: 2123 tcatgactgtattataacaagcaagATG 2150
|||||
GAM76: 298 tcatgactgtattataacaagcaagATG 325
45

FIG. 5

55

FIG. 6

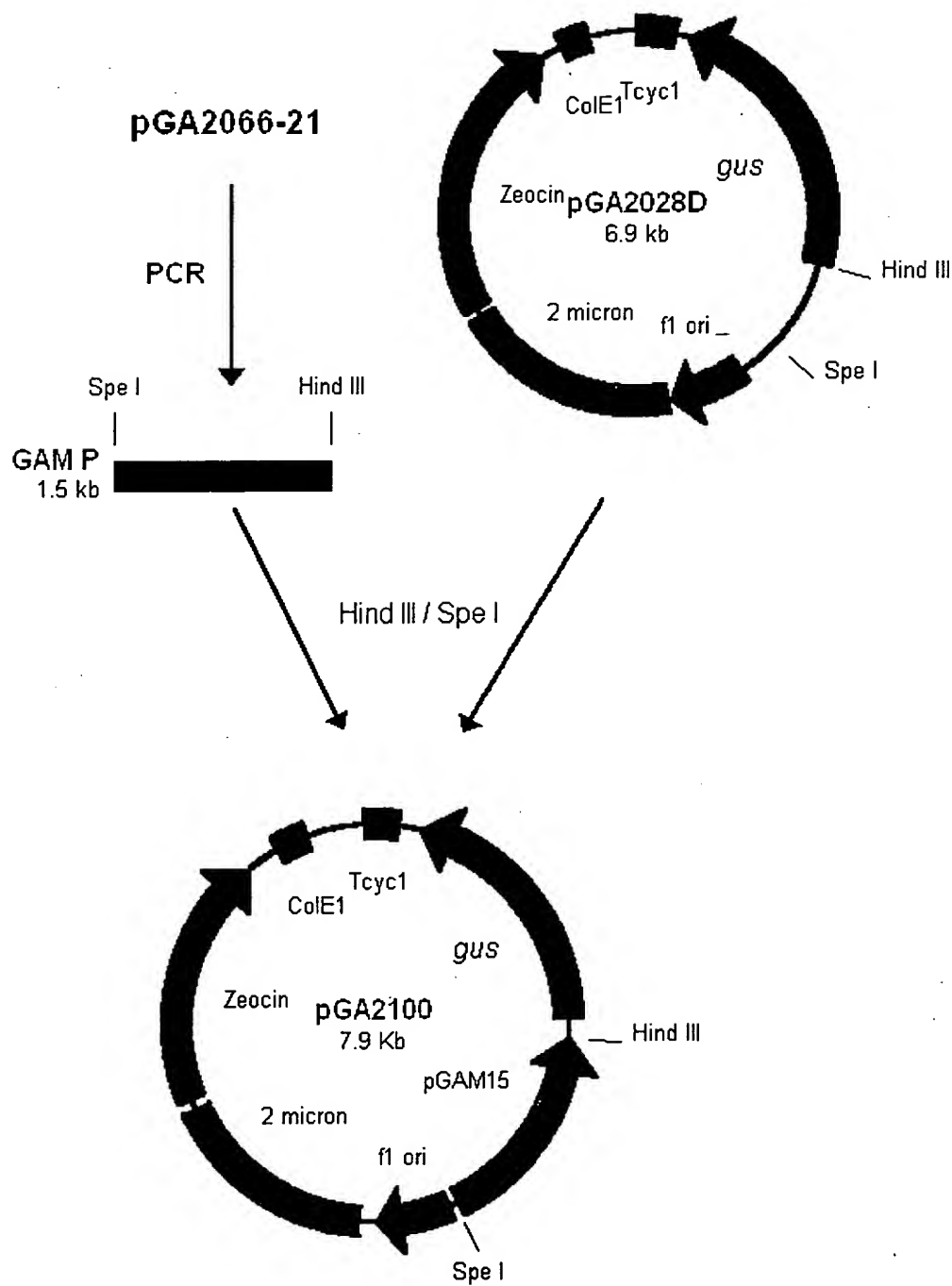


FIG. 6

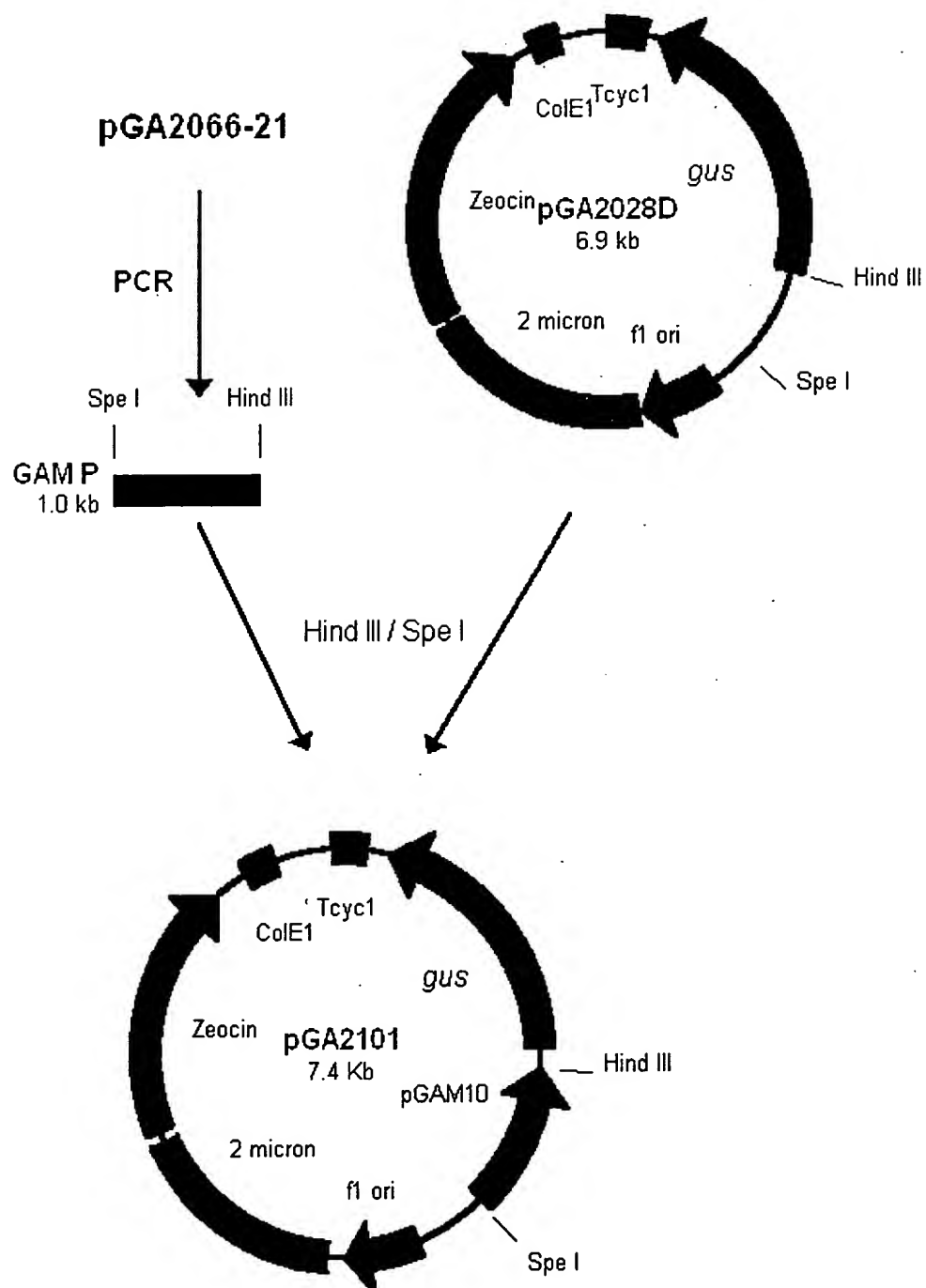


FIG. 7